RF Safety Exhibit

Revision: 02 Date: 19 Feb 2001

Equipment: WaveCom TR2126 MMDS/MDS Transceiver

FCC ID: OPPTR2126

For radio transmitters in the 2.150 to 2.162 GHz band, paragraph 1.1310 limits maximum permissible exposure (MPE) to 1 mW/cm^2 for uncontrolled environments.

The maximum safe distance from the antenna at which MPE is met or exceeded is calculated from the equation relating field strength in V/m, transmit power in Watts, transmit antenna gain, and separation distance in meters:

Basis of calculations:

Safe $Distance_{meters}$ for $1mW/cm^2$ MPE = (P_{Watts} x Antenna $Gain_{dBi}$ x 30)^0.5 / 61.4 V/m

Transceiver Power (Watts)	(dBm)	**Antenna Type**	**Antenna Gain** (dBi)	**Safe Distance** (meters)
1	30	flat planar array	12	0.3551
1	30	flat planar array	18	0.7086
1	30	flat planar array	21	1.0009
1	30	dipole/parabolic reflector	24	1.4138

Installation Requirements:

The TR2126 is used with a user-supplied antenna. A self-adhesive RF exposure label is supplied with each TR2126 unit for the user to affix to their antenna. Installation of the TR2126 and affixing of the RF exposure label to the antenna is described in the user manual, which is supplied with each TR2126. See section 2.2.2 on page 10 of "INSTALLATION AND OPERATION GUIDE FOR SYSTEM OPERATORS"

The following statement is included in the users manual and on the label to be attached to the antenna:

"CAUTION: To comply with FCC RF exposure requirements in section 1.1307, a minimum separation distance of 1.5 meters is required between this antenna and all persons."